

SYSTEM FOR DIGITIZED AUDIO STREAM SYNCHRONIZATION AND METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

5 A system and methods are provided for presenting processed audio data and processed video data to corresponding outputs in a synchronized manner. Video and audio data from a multimedia stream are received by a processing system. The video data is processed through a video processor. The audio data is processed through an audio processor. Processed audio data is stored in memory through a VIP data port. A bus-master engine is used to delay a transfer of the audio data from memory to an output port. The delay is determined so as to allow video data enough time to be processed and output in synchronous with the audio data transferred from memory. Once the delay has been overcome, the bus-master asserts a trigger in the data bus to initiate the transfer from memory to the output port.